

Current Initiatives 2007

- **New Faculty Award**
 - Concept approved
 - ICOC review & approval

June 2007

December 2007

- **Major Facilities Award**
 - Concept approved

Final ICOC review and approval April 2008

August 2007



New Initiatives for Concept Approval

Disease Team Planning Grants

New Pluripotent Human Cell Lines

RFAs
 Fall 2007

Review Winter 2007-2008

ICOC approval Spring 2008

New Initiatives proposed for 2008 (DRAFT)

New Initiatives proposed for 2008

- Basic, discovery research
 - Biology of Stem Cells
 - Tools and Reagents
 - Egg and Embryo Research
 - Tissue Engineering
- Translational Research
 - Translational Research (Stage 1)
 - Major Disease Team Grant Program

New Initiatives proposed for 2008 (cont.)

- Training Programs
 - Training Program II
 - Technical Training Program
- Cores and Facilities
 - Stem Cell Bank and Training
 - Other Cores and Services

(Agenda Item #9)

Need new pluripotent human stem cell lines for:

- Greater genetic diversity
- Disease-specific lines for cellular models of disease and for drug discovery
- Clinical grade lines
- Optimal lines for specific, desired phenotypes

New methods being developed for hESCs:

- Without exposure to animal products
- Defined growth conditions: media, factors, substrates, feeders
- Following Good Manufacturing Practices
- PGD, blastomeres
- SCNT

Novel sources and protocols for generating pluripotent human cell lines:

- Re-programming/De-differentiation
- Cybrids (fusion of hESCs with adult cells)
- Other innovative methods

Support MD and PhD scientists conducting research at institutions in California

Support full spectrum of human pluripotent stem cell types and experimental approaches

Two types of awards:

- hESCs generated from cells obtained from early, preimplantation embryos (<12 days)
- Human pluripotent stem cells starting from other sources

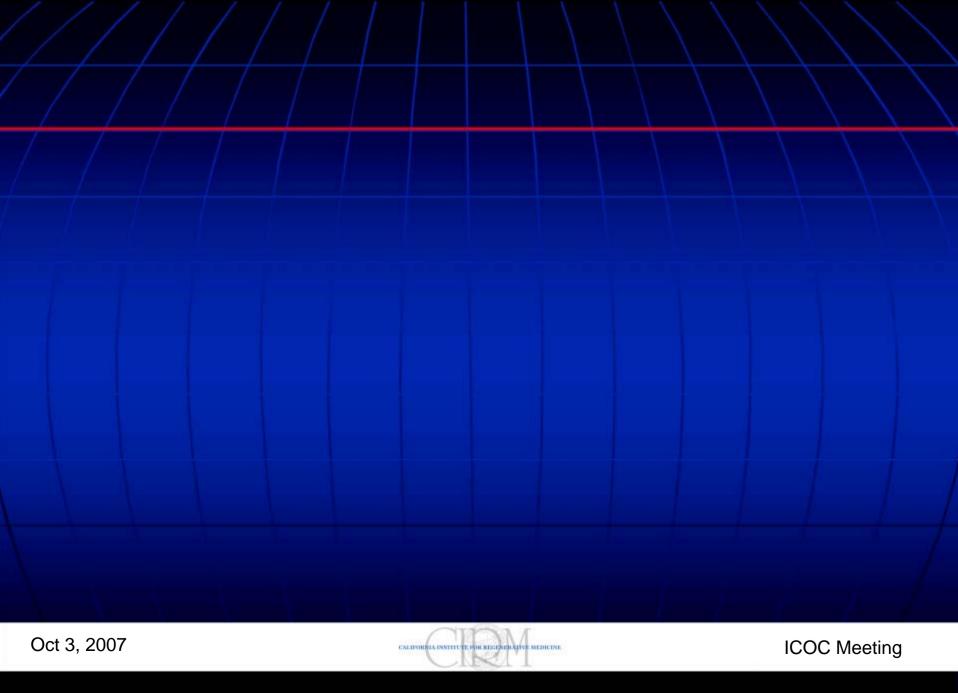
- Each institution may submit up to 4 applications;
 2 of each type.
- Fund 8 grants of each type. Each is a 3-year grant; project cost of up to \$300,000 per year.
- Total cost of this program: \$25 million.

Draft Timetable:

RFA release Fall 2007

Review of Applications Winter 2007 - 2008

ICOC Approval for Funding Spring 2008



	PhD	MD	MD, PhD	
Training Grants: Program Directors	11	4	1	
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Leon J. Thal SEED Grants: Prinicpal Investigators	47	9	19	
Comprehensive Research Grants: Principal Investigators	19	7	5	
Shared Research Laboratories: Program Directors	12	3	1	

The RFA states:

"Principal Investigators (PIs) may be either senior or junior faculty and must be full-time employees of the grantee organization."

To serve as a Principal Investigator on a CIRM SEED Grant or Comprehensive Research Grant, the applicant must meet the following criteria at the time that the application is received by CIRM:

He/she must be an independent investigator with a full-time, faculty-level position at the applicant institution.

He/she must be located on-site at the applicant institution.

He/she must have his/her own dedicated laboratory to conduct the proposed research at the applicant institution.